

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Toshihiro SUGIURA

Filed: Concurrently Herewith

For: EXTERNAL NOISE INTRUSION PREVENTION DEVICE, SIGNAL AMPLIFIER,
PROTECTOR AND ANTENNA PLUG

Box Patent Application
Assistant Commissioner for Patents
Washington DC 20231

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to **Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231** on *January 22, 2002* under "EXPRESS MAIL" mailing label number **EL872579674US**.

Elizabeth A. VanAntwerp
Elizabeth A. VanAntwerp

PRELIMINARY AMENDMENT

Sir:

Prior to examination, Applicant wish to amend the subject application as follows:

In the Claims:

Please rewrite claims 3-5 and 8 as follows:

3. (Amended) An external noise intrusion prevention device according to claim 1, wherein the input side ground section is connected to the output-side ground section to prevent a direct current from passing.

4. (Amended) A protector comprising: an arrester; and a choke coil, the protector preventing an abnormal voltage entering from an input terminal from flowing from an output terminal, the protector comprising an external noise intrusion prevention device according to claim 1, the external noise intrusion prevention device provided on an output terminal section.

5. (Amended) A signal amplifier provided midway along a bi-directional CATV trunk letting an up signal and a down signal pass, and amplifying at least the down signal from a center station, the signal amplifier comprising:

an external noise intrusion prevention device according to claim 1, the external noise intrusion prevention device provided in an output section outputting the down signal.

8. (Amended) An antenna plug having two coaxial cable connection terminals on both ends, respectively, and comprising an external noise intrusion prevention circuit according to claim 1, the external noise intrusion prevention device interposed between the two coaxial cable connection terminals.

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REMARKS

Claims 1-10 are pending herein. Applicant has amended claims 3-5 and 8 to eliminate multiple dependent claims. No new matter has been added. Applicant believes the case is now in condition for examination.

Attached hereto as page 3 is a marked-up version of the changes made to the claims by the current Amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

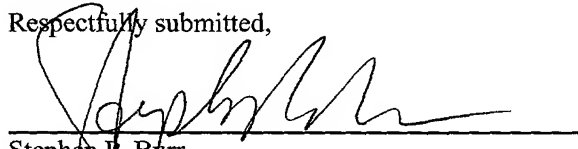
If the Examiner believes that contact with applicant's attorney would be advantageous toward the disposition of this case, he is herein requested to call applicant's attorney at the phone number noted below.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

January 22, 2002

Date

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Claims 3-5 and 8 have been amended as follows:

3. (Amended) An external noise intrusion prevention device according to claim 1 ~~or 2~~,
wherein

the input side ground section is connected to the output-side ground section to prevent a direct current from passing.

4. (Amended) A protector comprising: an arrester; and a choke coil, the protector preventing an abnormal voltage entering from an input terminal from flowing from an output terminal, the protector comprising an external noise intrusion prevention device according to ~~any one of claims 1 to 3~~ claim 1, the external noise intrusion prevention device provided on an output terminal section.

5. (Amended) A signal amplifier provided midway along a bi-directional CATV trunk letting an up signal and a down signal pass, and amplifying at least the down signal from a center station, the signal amplifier comprising:

an external noise intrusion prevention device according to claim 1 ~~or 2~~, the external noise intrusion prevention device provided in an output section outputting the down signal.

8. (Amended) An antenna plug having two coaxial cable connection terminals on both ends, respectively, and comprising an external noise intrusion prevention circuit according to ~~any one of claims 1 to 3~~ claim 1, the external noise intrusion prevention device interposed between the two coaxial cable connection terminals.

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